

BUILD2LC

Fuel Poverty Seminar

Workshop 3

Target 2050

‘A project in Stroud District to reduce carbon emissions across domestic properties, businesses and community buildings’

Maria Hickman

Private Sector Housing Manager

Stroud District Council

Presentation Objectives

- Outline of Stroud District Council's record of Carbon Reduction Projects
- Target 2050 Project
- Target 2050 Outcomes
- Legacy Outcomes
- Learning
- Discussion

“Eco Refurbishment” Projects

- Warm and Well
- WISE Homes
- 5000 council homes
- Project S2S
- Target 2050
- Pay As You Save pilot

Target 2050 Aims

Target 80% CO₂ reduction by 2050:

- existing buildings retrofit challenge
- Local action to complement centrally driven policies
- Ensure benefits to local economy
- Holistic view of local community, supply & demand actions in all sectors: homes, businesses, community
- Preserve built heritage - future proof buildings by showing how can reduce CO₂ sensitively

Target 2050 Homes – features

- Bespoke home energy reports: how to reduce by 60-80% in your home
- Follow up advice, personal and practical: technology, finance, installers, usage
- Support local installer group
- Exemplar homes: to provide range of local examples
- Behavioural change programme
- Low Carbon Homes Roadshow

Target 2050 Business - features

- Fill the gap with National Provision which didn't include smaller SME's
- Work with SME's to reduce energy consumption and CO₂ emissions
- Provision of survey and action plan
- On going support to enable measures to be installed
- Local installer network

Target 2050 Community Buildings - features

- Provision of bespoke energy audits, reports and action plans.
- Work to reduce energy consumption and CO₂ emissions
- Encourage use of Renewable technologies to create 'green beacons' for community
- 50% capital grant towards improvements
- Encourage community behaviour change

Target 2050 Homes – results

- 248 home surveys: average potential energy & CO₂ savings 55-60%
- 53 exemplar homes as case studies
- 49 homes took up PAYS loans in pilot
- Data on 102 homes installing one or more measures :
 - wall, floor & roof insulation, glazing, heating, microgen
 - average modelled savings 25%
- Openhomes events

Target 2050 Business - Results

- 120 Stroud based businesses signed up to the scheme
- 93 received full package of support
- 29 businesses installed measures
- Total first year cost savings £99,561
- First year total tonnes CO₂ saved 490

Target 2050 Community Buildings - Results

- 30 community buildings received energy audits and action plans
- 35 measures installed
 - 70,300 kWh annual energy reduction
 - £4,900 annual fuel bill savings
 - 28tonnes CO₂ saved annually
- Community engagement increased

Target 2050 Legacy

- Link to Energy Installers Network
- Open Homes Events
- Business Survey development
- LEP Structural Investment Fund Strategy Development
- Berkeley GREEN and skills development

Target 2050 - Learning

- Whole 'house' or 'business' approach does not work.
- Bespoke reports and actions plans which can be referred to over time offer best outcomes
- Community in UK are not ready to invest in expensive long term measures
- Community trust local community not Central Government
- Some capital funding is required to encourage installation of measures.
- Community buildings are an important means to instil behaviour change in a wider community
- Use of exemplars and case Studies very important to achieve wider interest
- Lack of awareness in all communities as to the opportunities available

Discussion

- <http://www.severnwye.org.uk/our-work/publications.html>
- Questions
- Is anyone aware of anything similar in their own area?
- Does anyone think they could adapt this approach to work in their area?
- What adaptations would you need to make?